

CLAIMS

WHAT IS CLAIMED IS:

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1. A system for delivery of a drug to a patient comprising:  
a drug delivery device including a breath analyser which analyses a patient's breathing and generates breath information on the patient's breathing during drug delivery;  
a data carrier onto which the drug delivery device is arranged to place the breath information; and  
10 a data analyser arranged to analyse the breath information from the data carrier, and to derive characteristics of the patient's breathing.
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2. A system according to claim 1, wherein the data analyser includes a trend generator for analysing breath information and characteristics of the patient's breathing over time.
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3. A system according to claim 1, wherein the data analyser includes means for identifying non-compliant use of the drug delivery device.
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4. A system according to claim 3, wherein the data analyser includes a trend generator for analysing breath information and characteristics of the patient's breathing over time.
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5. A method of optimizing treatment from a drug delivery device comprising:  
analysing a patient's breathing during drug delivery and generating breath information from that breathing;  
transferring the breath information to a data analyser;  
deriving characteristics of the patient's breathing from the breath information; and  
identifying non-complaint use of the drug delivery device.
6. A method of identifying changes in condition of a patient over time of treatments from a drug delivery device comprising:  
analysing a patient's breathing during drug delivery and generating breath information from that breathing;

transferring the breath information to a data analyser;  
deriving characteristics of the patient's breathing from the breath information; and  
analysing the characteristics of the patient's treatments over time to identify trends  
in those characteristics.